

Figure 1

Anti-CD89 14.1 VH

```
Q V Q L V E S G G G V V Q P G R S L
CAG GTG CAA CTG GTG GAG TCT GGG GGA GGC GTG GTC CAG CCT GGG AGG TCC CTG

                                CDR1
                                ~~~~~
R L S C A A S G F T F S S Y V L H W
AGA CTC TCC TGT GCA GCC TCT GGA TTC ACC TTC AGT AGT TAT GTT CTG CAC TGG

                                CDR2
                                ~~~~~
V R Q A P G K G L D W V A V I S D D
GTC CGC CAG GCT CCA GGC AAG GGG CTG GAT TGG GTG GCA GTG ATA TCA GAT GAT

                                CDR2
                                ~~~~~
G R N K Y F A D S V K G R F T I S R
GGA AGG AAT AAA TAC TTC GCA GAC TCC GTG AAG GGC CGA TTC ACC ATC TCC AGA

D N S K N T L Y L Q M N S L R A E D
GAC AAT TCC AAG AAC ACG CTG TAT CTG CAA ATG AAC AGC CTG AGA GCT GAG GAC

                                CDR3
                                ~~~~~
T A V Y Y C V R E G Y S G S W F D Y
ACG GCT GTG TAT TAC TGT GTG AGA GAA GGG TAT AGC GGC AGC TGG TTT GAC TAC

W G Q G T L V T V S S
TGG GGC CAG GGA ACC CTG GTC ACC GTC TCC TCA
```

Anti-CD89 14.1 VH

Figure 2

Anti-CD89 14.1 VK

A I Q L T Q S P S S L S A S V G D R
GCC ATC CAG TTG ACC CAG TCT CCA TCC TCC CTG TCT GCA TCT GTA GGA GAC AGA

CDR1

V T I T C R A S Q G I S S A L A W Y
GTC ACC ATC ACT TGC CGG GCA AGT CAG GGC ATT AGC AGT GCT TTA GCC TGG TAT

CDR2

Q Q K P G K A P K L L I Y G A S S L
CAG CAG AAA CCA GGG AAA GCT CCT AAG CTC CTG ATC TAT GGT GCC TCC AGT TTG

CDR2

E G G V P S R F S G S G S G T D F T
GAA GGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG ACA GAT TTC ACT

CDR3

L T I S S L Q P E D F A T Y Y C Q Q
CTC ACC ATC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT TAT TAC TGT CAA CAG

CDR3

F N S Y P F T F G P G T K V D I K
TTT AAT AGT TAC CCA TTC ACT TTC GGC CCT GGG ACC AAA GTG GAT ATC AAA

Figure 3

Anti-CD89 8.2 VH

Q V Q L V E S G G G V V Q P G R S L
CAG GTG CAG CTG GTG GAG TCT GGG GGA GGC GTG GTC CAG CCT GGG AGG TCC CTG

CDR1

~~~~~  
R L S C A A S G F T F S S Y A M H W  
AGA CTC TCC TGT GCA GCC TCT GGA TTC ACC TTC AGT AGC TAT GCT ATG CAC TGG

#### CDR2

~~~~~  
V R Q A P G K G L E W V A V I S Y D
GTC CGC CAG GCT CCA GGC AAG GGG CTG GAG TGG GTG GCA GTT ATA TCA TAT GAT

CDR2

~~~~~  
G R N K D Y A D S V K G R F T I S R  
GGA AGA AAT AAA GAC TAC GCA GAC TCC GTG AAG GGC CGA TTC ACC ATC TCC AGA

D N S K N T L Y L Q M N S L R A E D  
GAC AAT TCC AAG AAC ACG CTG TAT CTG CAA ATG AAC AGC CTG AGA GCT GAG GAC

#### CDR3

~~~~~  
T A V H Y C A R L D W G Y D A F D I
ACG GCT GTG CAT TAC TGT GCG AGG CTT GAC TGG GGA TAT GAT GCT TTT GAT ATC

W G Q G T M V T V S S
TGG GGC CAA GGG ACA ATG GTC ACC GTC TCT TCA

Figure 4

Anti-CD89 8.2 VK

E I V L T Q S P G T L S L S P G E R
GAA ATT GTG TTG ACG CAG TCT CCA GGC ACC CTG TCT TTG TCT CCA GGG GAA AGA

CDR1

~~~~~  
A T L S C R A S Q S V S S S Y L A W  
GCC ACC CTC TCC TGC AGG GCC AGT CAG AGT GTT AGC AGC AGC TAC TTA GCC TGG

#### CDR2

~~~~~  
Y Q Q K P G Q A P R L L I Y G A S S
TAC CAG CAG AAG CCT GGC CAG GCT CCC AGG CTC CTC ATC TAT GGT GCA TCC AGC

CDR2

~~~~~  
R A T G I P D R F S G S G S G T D F  
AGG GCC ACT GGC ATC CCA GAC AGG TTC AGT GGC AGT GGG TCT GGG ACA GAC TTC

#### CDR3

~~~~~  
T L T I S R L E P E D F A V Y Y C Q
ACT CTC ACC ATC AGC AGA CTG GAG CCT GAA GAT TTT GCA GTG TAT TAC TGT CAG

CDR3

~~~~~  
Q Y G S S P P Y T F G Q G T K L E I  
CAG TAT GGT AGC TCA CCT CCG TAC ACT TTT GGC CAG GGG ACC AAG CTG GAG ATC

K  
AAA